Special Issue

Novel Design, Synthesis, and Applications of Ultra High Temperature Ceramic Matrix

Message from the Guest Editor

With a series of excellent properties, high temperature resistance, strength, modulus, thermal conductivity, and low thermal expansion coefficient, ceramic matrix composite (CMC) materials show superior high-temperature thermodynamic properties and microstructure stability, Furthermore, this lightweight composite material exhibits integrated structural load-bearing and resistance to harsh environments, with potential applications in the thermal insulation of aerospace vehicles, heat protection, aeroengine turbine blades, rocket engines and advanced nuclear energy high-temperature components. This Special Issue welcomes the submission of unpublished manuscripts (original research papers or review articles) on all kinds of Ceramic Matrix Composites, including their design, synthesis, characterization and applications. It is a great pleasure to invite you to submit a contribution related to any of these aspects.

Guest Editor

Prof. Dr. Wenbo Han
Institute of Composite Materials and Structures, School of Astronautics, Harbin Institute of Technology, Harbin, China

Deadline for manuscript submissions

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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